

## Patent Abstracts of Japan

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TITLE : METHOD FOR DYING TIMBER

ABSTRACT : PURPOSE: To enable dying uniformly up to the inner part by injecting the dye liquid composed of level dying acid dye and deep color pigment to the timber under an ordinary temperature and whittling the timber surface after dying in performing a heating cure.

CONSTITUTION: After sealing a single board of a broad leaf having vessel conduit or a piece of wood into a container, it is made to be a decompressed state and then the dye liquid composed of level dying acid dye and pigment more deep color than the dye are injected into the container in keeping the temperature (20~80°C) to such extent that the molecular of the dye may not dye rapidly the single board, furthermore, after the single board or a piece of wood is soaked in the dye liquid, it is compressed during the time of 30 minutes ~ a few hours at the compressed air of 2~20kg/cm. As the pigments to be composed to the level dying acid dye, an organic pigment, inorganic pigment and a carbon black and the like with the particle size of 0.05~1.0 $\mu$  are used and the composition rate of which is preferable that the extent is dye:pigment=1:1~4 pts.wt. The curing period to strengthen the combination between the dye particle and timber is desirable for approximately being of 10~48 hours at the temperature of 50~130°C.

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